

SECRET**PRIORITY**

P 191631Z DEC 69
 FM NPIQ WASHDC
 TO RHCOAAA/SAC OFFUTT AFB OMAHA NEB
 RHCOAAA/544TH ARTW, OFFUTT AFB OMAHA NEB
 RUHHABA/548TH RTS, HICKAM AFB, HAWAII
 RUCRJCS/DIAXX-2
 RUEFHQA/HQ USAF
 BT

OUT 69015

19 DEC 69 17 00Z

S E C R E T CITE NPIC 7655
 HQ USAF FOR AFIGOS, AFXOTR, AFNICAD
 SAC FOR DIRI, DOSR, DISD
 SUBJECT: EVALUATION OF GIANT NAIL MISSION GA-T-139
 FLOWN 20 NOV 69

1. IMAGE QUALITY: THE OVERALL IMAGE QUALITY OF THE MISSION IS FAIR. THE INTERPRETATION SUITABILITY IS FAIR TO GOOD. THE MAJOR DEGRADING FACTORS ARE ATMOSPHERIC ATTENUATION AND IMAGE MOTION RESULTING FROM VEHICLE VIBRATION. CLOUDS OBSCURE APPROXIMATELY 45 PERCENT OF THE ENTIRE MISSION. IMAGE MOTION DEGRADATION, ATTRIBUTED TO VEHICLE VIBRATION, IS APPARENT AT MAGNIFICATIONS OF 25X AND ABOVE THROUGHOUT

PAGE 2 RUEADJU 0104 **S E C R E T**
 THE MISSION.

2. MISSION DATA:

- A. MISSION NUMBER: GA-T-139, 20 NOV 69
- B. CAMERA: IRIS II, SERIAL NO. 8012
- C. A/C NUMBER: 340
- D. MODE: STEREO
- E. T/O: 0200Z, C/O: 0403Z
- F. FILM TYPE: 3404, FILTER: W-23
- G. CHEMISTRY: MX-578, PROCESSING FACILITY: 548TH RTG.
- H. AVG. GAMMA: 2.49

3. ORIGINAL NEGATIVE:

- A. EXPOSURE: GENERALLY ADEQUATE, BUT RANGES FROM SLIGHTLY UNDEREXPOSED AT THE BEGINNING OF THE MISSION TO SLIGHTLY OVEREXPOSED AT THE END OF THE MISSION.
- B. DENSITY AND CONTRAST: THE DENSITY IS GENERALLY MEDIUM; HOWEVER, BECAUSE OF THE HIGH CONTRAST WHICH PREVAILS THROUGHOUT MOST OF THE MISSION, SOME INFORMATION IS LOST IN BOTH THE HIGHLIGHT AND SHADOW AREAS.
- C. IMAGED DEGRADATIONS: NOTE NOTED.

PAGE 3 RUEADJU 0104 **S E C R E T**

D. PHYSICAL DEGRADATIONS:

- (1) NUMEROUS EMULSION LIFTS ARE PRESENT ON THE LAST 2 FRAMES OF THE MISSION.
- (2) AN ULTRASONIC SPLICE IS PRESENT IN FRAME 445.
- E. DATA RECORDING EQUIPMENT: ALL SYSTEMS FUNCTIONED PROPERLY THROUGHOUT THE MISSION.
- F. THERE ARE 915 FRAMES ON THIS MISSION.
- G. OTHER: THE FILM TITLING FAILS TO MEET TITLING INSTRUCTIONS AFTER FRAME 299. FROM FRAME 300 TO THE END OF THE MISSION, ALL INDEX MARKS HAVE BEEN OMITTED.
- H. POSITIVES: ADEQUATE FOR EXPLOITATION PURPOSES; HOWEVER, INSTANCES OF ORIGINAL NEGATIVE MISALIGNMENT TO THE PRINTING STOCK BY APPROXIMATELY 0.1 INCH ARE PRESENT INTERMITTENTLY THROUGHOUT THE MISSION.

EOM

GP-1

S E C R E T

END OF MESSAGE

SECRET

DISTRIBUTION		
CK	OFFICE	PI
	FILE	1
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	IEG/OD	
	SCIEN	
	WEST	
	EAST	
	M&S	
	IEG/PND	
	IAS	5
	DIA-XX4	
	SPAD	
	DIA-AP	
	CK	

ADVANCE BY
 SANITIZED
 WITH JUNE

GROUP 1
 Excluded from automatic
 downgrading and
 declassification